

SPRING-LOADED COMPRESSION CABLE GRAB

ABSTRACT OF THE DISCLOSURE

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A spring-loaded compression cable grab (20) that is used for cinching and attaching a wire rope cable to a fixed object. The cable grab consists of a hollow cylindrical chuck (26) having a tapered socket (32) and a pair of bifurcated arms (40) attached to the sides. A collet (46) is disposed within the tapered socket that includes a bore (48) within, having an inside diameter compatible with a wire rope cable. A hollow chuck cap (54) is attached to the chuck with a compression spring (60) disposed within the chuck between the collet and the chuck cap, which urges the collet into the tapered socket. The grab functions such that after a cable has been inserted into the chuck first end and is manually cinched tightly, the collet firmly grips a wire rope cable on the bore in the collet when a cable is pulled in an opposite direction. A hollow bolt (62) is attached to the chuck and when rotated inward against the collet, the collet is forced away from the tapered socket, thus releasing the grip for de-tensioning or removal of the cable grab from the wire rope cable.